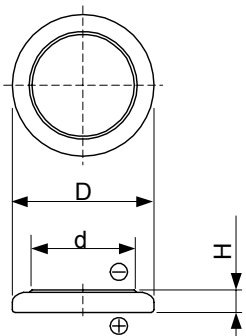


Cell Type ML1220

Specifications



Nominal Capacity ^{*1}		15mAh
Nominal Voltage		3V
Standard Charge/Discharge Current		0.1mA
Max. Discharge Current	Continuous ^{*2}	2mA
	Pulse ^{*3}	5mA
Charge/Discharge Cycle Characteristics	Discharging Depth of 5%	3000
	Discharging Depth of 20%	500
Charging Method	Constant Voltage Charge	3.1±0.15V
	High Temperature	2.95±0.15V
Temperature Range		-20°C~60°C
Weight		0.8g
Dimensions	Diameter(D)	12.5mm
	Height(H)	2.0mm
	d	9.6mm

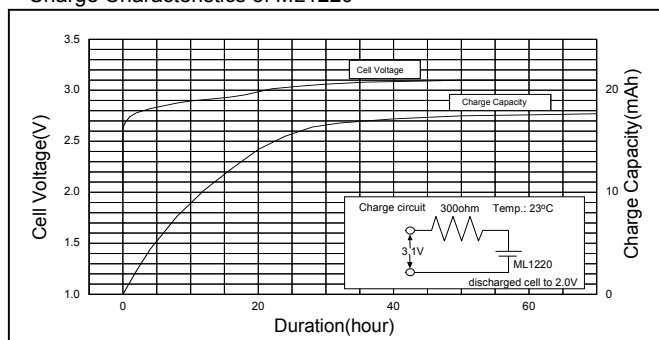
*1 Nominal capacity is determined to an end voltage of 2.0V when the battery is allowed to discharge at a standard current level at 23°C.

*2 Current value is determined so that 50% of the nominal capacity is obtained with an end voltage of 2.0V at 23 °C.

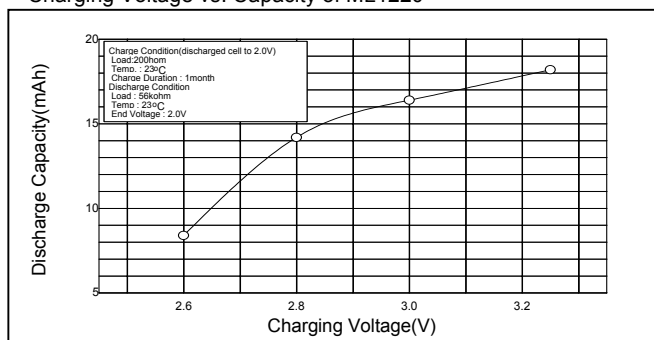
*3 Current value for obtaining 2.0V cell voltage when 15sec. pulse is applied at 50% discharge depth at 23 °C.

Typical Characteristics

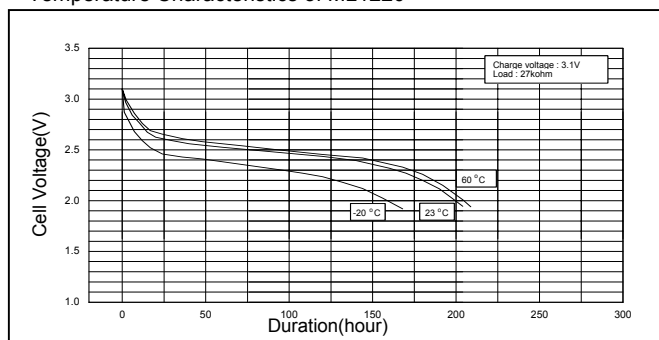
Charge Characteristics of ML1220



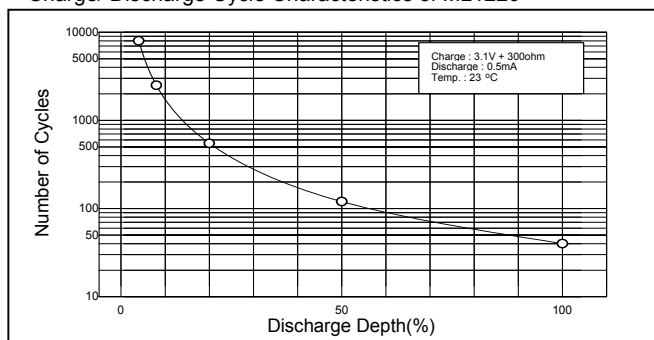
Charging Voltage vs. Capacity of ML1220



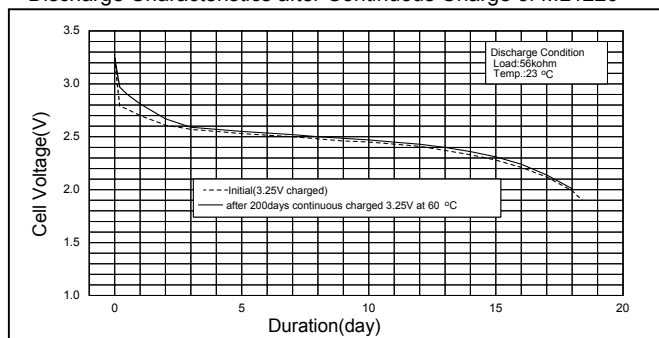
Temperature Characteristics of ML1220



Charge/ Discharge Cycle Characteristics of ML1220



Discharge Characteristics after Continuous Charge of ML1220



Date

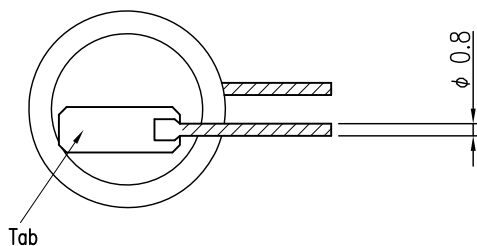
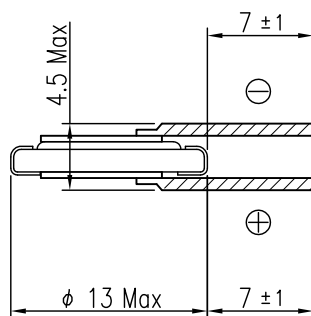
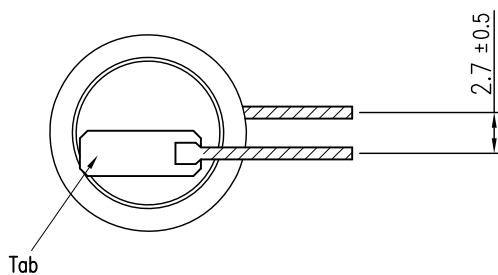
March 19. 2010

Drawing No

D-ML1220VM1 -E

Shape and Dimension

TENTATIVE



Tab thickness : $\phi 0.8$ mm Ni Wire
Welding strength of tab : Min.19.6N
(Vertical direction from welding plate)

Unit : mm

Model

ML1220-VM1

FDK CORPORATION
FDK TOTTORI CO., LTD. Business Development Department